

LISTING OF THE CLAIMS:

Cancel claims 1-4, 6, 7, 9-19 and 21 without prejudice

Add the following new claims 22 and 23 to the application

Claims 1-4 (cancelled)

Claim 5 (cancelled)

Claim 6 (cancelled)

Claim 7 (cancelled)

Claim 8 (cancelled)

Claims 9-19 (cancelled)

Claim 20 (cancelled)

Claim 21 (cancelled)

22. (new) A method for the fractionation of polyoxyalkylene block copolymers comprising:

a. dissolving upto about 10% by weight of polyoxyalkylene block copolymer in water to form a solution of a known concentration of polyoxyalkylene block copolymer;

b. adjusting to a preselected temperature of between -5°C and -30°C the temperature of the solution of step a;

c. dissolving about 5 to about 25% by weight of ammonium sulfate in the solution of step a at the preselected temperature to provide a known concentration of ammonium sulfate in the solution;

d. allowing the aqueous solution to form a high salt phase and a low salt phase at the preselected temperature,

wherein the concentration of polyoxyalkylene block copolymer, the concentration of ammonium sulfate, and the extraction temperature are chosen so that the lower molecular weight polyoxyalkylene block copolymer molecules partition into the high salt concentration phase and the higher molecular weight polyoxyalkylene molecules partition into the low salt concentration phase of the aqueous solution.

23. (new) The method of claim 22 wherein the extraction temperature is from about -2° C to about 10° C.